

Clean Version of Claims:

19. In a digital communications system, a full-duplex audio path between two devices communicating with one another, comprising:

an unbalanced coding scheme wherein digital audio transmitted in a first direction over said full-duplex audio path is encoded using a first encoding scheme different from a second encoding scheme used to encode digital audio transmitted over said full-duplex audio path in a second direction opposite said first direction.

20. In a digital communications system according to claim 19, wherein:

a first encoding algorithm of said first encoding scheme is different from a second encoding algorithm of said second encoding scheme.

21. In a digital communications system according to claim 19, wherein:

a bit rate of said first encoding scheme is different from a bit rate of said second encoding scheme.

22. In a digital communications system according to claim 20, wherein:

a bit rate of said first encoding scheme is substantially equal to a bit rate of said second encoding scheme.

23. In a digital communications system according to claim 19, wherein:

said first encoding scheme is provided in a base unit of a cellular network; and

said second encoding scheme is provided in a mobile handset of said cellular network.

wherein:

24. In a digital communications system according to claim 23,

said first encoding scheme comprises uncompressed encoding.

wherein:

25. In a digital communications system according to claim 24,

said second encoding scheme comprises ADPCM encoding.

wherein:

26. In a digital communications system according to claim 25,

said ADPCM encoding has a bit rate of no greater than 32 kb/s.

wherein:

27. In a digital communications system according to claim 24,

said uncompressed encoding comprises at least one of μ -law and A-law encoding at 64 kb/s.

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Marked-Up Copy Showing Changes Made:

Kindly add the following new claims.

--19. In a digital communications system, a full-duplex audio path between two devices communicating with one another, comprising:

an unbalanced coding scheme wherein digital audio transmitted in a first direction over said full-duplex audio path is encoded using a first encoding scheme different from a second encoding scheme used to encode digital audio transmitted over said full-duplex audio path in a second direction opposite said first direction.

20. In a digital communications system according to claim 19, wherein:

a first encoding algorithm of said first encoding scheme is different from a second encoding algorithm of said second encoding scheme.

21. In a digital communications system according to claim 19, wherein:

a bit rate of said first encoding scheme is different from a bit rate of said second encoding scheme.

22. In a digital communications system according to claim 20, wherein:

a bit rate of said first encoding scheme is substantially equal to a bit rate of said second encoding scheme.

23. In a digital communications system according to claim 19, wherein:

said first encoding scheme is provided in a base unit of a cellular network; and

said second encoding scheme is provided in a mobile handset of said cellular network.

24. In a digital communications system according to claim 23,
wherein:

said first encoding scheme comprises uncompressed encoding.

25. In a digital communications system according to claim 24,
wherein:

said second encoding scheme comprises ADPCM encoding.

26. In a digital communications system according to claim 25,
wherein:

said ADPCM encoding has a bit rate of no greater than 32 kb/s.

27. In a digital communications system according to claim 24,
wherein:

said uncompressed encoding comprises at least one of μ -law and
A-law encoding at 64 kb/s.--